

Product Information

Sensors and Instrumentation

Wire Probe GTF 300



- NiCr-Ni wire probe (type K)
- Quick-response measurements in air, gases, liquids
- For very small surfaces

Characteristics

The GTF 300 is a NiCr-Ni (type K) wire probe for quick-response measurements in air, gases or liquids. The GTF 300 with option "UV" can be also used for measurements of very small surfaces. For option "UV" (untwisted welded) the measuring point is placed at the sensor tip.

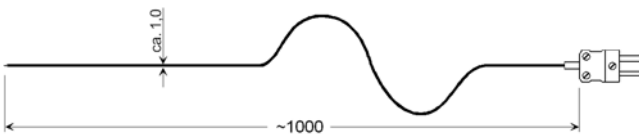
The thermocouple consists of two electric lines made of different materials (NiCr and Ni). The measuring principle of temperature measurement with thermocouples is based on the existence of thermovoltage when two wires made of different materials are connected.

The probe is delivered with ready-to-use, thermovoltage-free miniature flat-pin plug NST1200.

Technical Data

- Thermocouple : NiCr-Ni (type K)
- Measuring range : -65..+300 °C
- Response time (T₉₀) : approx. 0.3 s
- Accuracy : class 1
- Thermocouples wires : 1 m Teflon insulated twisted wires (max. 250 °C), very flexible diameter approx. 1.0 mm
- Measuring point : connection point of wires measuring tip (twisted welded)
- Connection : miniature flat-pin plug NST1200

Dimensions



Ordering code

GTF300 - 1. - 2.

1. Wire length	
01	1 m (standard)
xx	desired length in m (up to 50 m) e.g. 25 = 25 m
2. Option	
00	without option
UV	measuring tip untwisted welded

Magnetic Surface Probe GMF 250



- NiCr-Ni-probe (type K)
- Self-adhesive on magnetic surfaces
- Resilient measuring sensor

Characteristics

The GMF 250 is a NiCr-Ni (type K) magnetic surface probe for surface temperature measurements. The GMF 250 is used exclusively for magnetic materials, because of its self-adhesive measuring sensor with Cu-plate. The probe is not appropriate for use at induction furnace, etc.

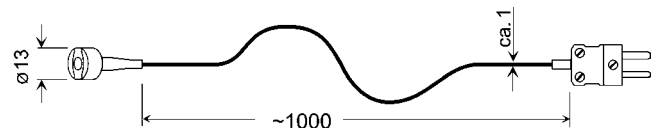
The thermocouple consists of two electric lines made of different materials (NiCr and Ni). The measuring principle of temperature measurement with thermocouples is based on the existence of thermovoltage when two wires made of different materials are connected.

The probe is delivered with ready-to-use, thermovoltage-free miniature flat-pin plug NST1200.

Technical Data

- Thermocouple : NiCr-Ni (type K)
- Measuring range : -65..+250 °C
- Response time (T₉₀) : approx. 5 s
- Accuracy : class 1
- Thermocouples wires : 1 m Teflon insulated twisted wires (max. 250 °C), very flexible diameter approx. 1.0 mm
- Measuring point : magnetic, resilient measuring sensor with Cu-plate Ø 5 mm
- Connection : miniature flat-pin plug NST1200

Dimensions



Ordering code

GMF250 - 1.

1. Wire length	
01	1 m (standard)
xx	desired length in m (up to 50 m) e.g. 25 = 25 m

Product Information

**Magnetic Surface Probe
 GMF 200**



- NiCr-Ni-probe (type K)
- Self-adhesive on magnetic surfaces (reinforced design)
- Resilient measuring sensor

Characteristics

The GMF 200 is a NiCr-Ni (type K) magnetic surface probe for surface temperature measurements. The GMF 200 is used exclusively for magnetic materials, because of its self-adhesive measuring sensor with Cu-plate. The probe is not appropriate for use at induction furnace, etc.

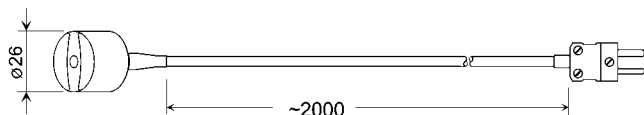
The thermocouple consists of two electric lines made of different materials (NiCr and Ni). The measuring principle of temperature measurement with thermocouples is based on the existence of thermovoltage when two wires made of different materials are connected.

The probe is delivered with ready-to-use, thermovoltage-free miniature flat-pin plug NST1200.

Technical Data

- Thermocouple : NiCr-Ni (type K)
- Measuring range : -65..+200 °C
- Response time (T₉₀) : approx. 5 s
- Accuracy : class 1
- Thermocouples wires : 2 m silicone cable (max. 200 °C) flexible and robust
- Measuring point : strong magnetic, resilient measuring sensor with Cu-plate Ø 5 mm
- Connection : miniature flat-pin plug NST1200

Dimensions



Ordering code

1.
 GMF200 -

1. Wire length	
02	2 m (standard)
xx	desired length in m (up to 50 m) e.g. 25 = 25 m